

Existing Need-1999 Base Year Data

INTRODUCTION

Chapter VIII presents the application of the methodologies used to estimate need for public transportation services in Montana and the requirements for equipment and facilities to serve the identified need. To develop demand estimates requires that a host of information be available. This effort involved gathering data about existing transportation services and service providers, households, and transportation service consumers. A survey of transportation service providers, including social service agencies, was conducted across the state.



RURAL GENERAL PUBLIC / URBAN AREAS

Identifying transit need involves obtaining sound demographic and transit service data. The transit provider survey, the social services survey, the National Personal Transportation Survey, and census data are primary elements for this methodology for the rural general public transit need. The mobility gap methodology presented in the following text was used in the rural general public demand estimation.

Mobility Gap Methodology

The mobility gap methodology identifies the amount of service required in order to provide equal mobility to persons in households without a vehicle as for those in households with a vehicle. The trip rates for households with vehicles serve as the target for those households without vehicles. The following data were compiled to complete the mobility gap methodology.



Demographic Data

Demographic data is only one element needed for estimating transit demand and unmet demand. Data readily available from the Census STF3 Files were extracted to begin the demand analysis. The information extracted included the age of householder by vehicle availability in terms of age 15-64 and age 65 and over and vehicles available in terms of zero and one or more vehicles. The gathered census data were used with data from the 1995 National Personal Transportation Survey (NPTS) to develop estimates of trip need by urban or rural setting for households headed by persons age 15-64 or age 65 and over in households with zero or one or more vehicles. Table VIII-1 shows 1998 population and household data from the Census STF3 Files for each Montana county.

NPTS Trip Generation Rates

Household daily trip rates are taken from the 1995 National Personal Transportation Survey (NPTS) data. The rates are generated for households with and without automobiles. The NPTS data set provides information used to define relationships and rates describing travel behavior in urban (areas with over 50,000 population), suburban, and rural settings for the general public, transit-dependent, and other demographic cohorts.

Mobility Gap

After determining the trip rates for households with and without vehicles, the difference between the rates is defined as the mobility gap. These rates are broken down by age (age 15-64 or age 65+) and by household location. The gap between the trip rates will be the amount of transit service needed to allow equal mobility between households with zero vehicles and households with one or more vehicles. Table VIII-2 uses the weighted trips rates discussed in Chapter II to determine the mobility gap for each county.

Once the mobility gap was calculated for each county, the transit need could be determined. Table VIII-3 presents the existing general public transit need calculated using the mobility gap. The table lists each county and the needed trips for each county. The demographic household information was obtained from

Table VIII-1. The total existing statewide transit need for the general public is approximately 47,454 daily trips.

DISABLED POPULATION

Transit need estimates for the disabled population by county are presented in the following text. Table VIII-4 indicates the disabled populations by county. The LSC Team used the TCRP methodology described in Chapter II for estimating the transit need for the disabled population. The LSC Team adjusted the trip rate in the TCRP methodology for the local area conditions to estimate the transit need. The existing transit need for the disabled population is approximately 594,200 annual trips for the State of Montana, as shown in Table VIII-4.



Table VIII-1
1998 Demographic Data Estimates

County	1998 Population	Households	Total Households			
			15-64 No veh	15-64 1 + veh	65+ No veh	65+ 1 + veh
Beaverhead	8,870	3,166	80	2,292	167	672
Big Horn	12,630	3,395	149	2,616	97	586
Blaine	7,150	2,385	150	1,606	97	526
Broadwater	4,130	1,309	21	881	27	351
Carbon	9,450	3,309	55	2,048	119	1,047
Carter	1,540	587	9	356	30	194
Cascade	78,990	30,206	1,308	22,255	1,246	5,324
Chouteau	5,190	2,096	29	1,435	48	552
Custer	12,030	4,599	161	3,149	183	1,138
Daniels	2,000	922	19	591	28	281
Dawson	8,850	3,719	52	2,786	164	689
Deer Lodge	9,990	4,068	143	2,516	285	1,116
Fallon	2,940	1,170	24	822	41	279
Fergus	12,270	4,634	97	3,133	233	1,140
Flathead	71,830	22,856	582	17,269	672	4,311
Gallatin	62,540	19,107	370	15,784	338	2,523
Garfield	1,400	581	12	390	28	147
Glacier	12,540	3,786	255	2,770	114	677
Golden Valley	1,050	319	-	183	2	145
Granite	2,670	1,053	20	684	42	305
Hill	17,370	6,411	205	4,786	254	1,181
Jefferson	10,090	2,833	56	2,239	62	510
Judith Basin	2,300	917	13	618	33	244
Lake	25,650	7,891	230	5,466	277	1,841
Lewis and Clark	53,650	18,748	510	14,331	673	3,135
Liberty	2,320	801	21	510	40	217
Lincoln	18,700	6,735	146	5,036	175	1,311
McCone	1,960	2,367	9	592	26	217
Madison	6,880	855	36	1,578	72	701
Meagher	1,800	712	22	485	15	187
Mineral	3,750	1,311	63	922	22	275
Missoula	88,990	31,018	1,144	24,132	1,003	4,503
Musselshell	4,600	1,668	33	1,010	72	546
Park	15,890	5,616	231	3,714	261	1,413
Petroleum	500	212	5	161	5	38
Phillips	4,830	1,943	46	1,325	96	464
Pondera	6,400	2,156	39	1,549	67	591
Powder River	1,830	807	10	572	16	207
Powell	7,000	2,245	70	1,543	75	546
Prairie	1,330	565	5	345	16	202
Ravalli	35,160	9,608	151	6,741	218	2,588
Richland	10,110	4,009	72	2,926	123	835
Roosevelt	10,990	3,673	259	2,688	101	646
Rosebud	10,050	3,476	144	2,820	44	471
Sanders	10,190	3,425	68	2,313	149	867
Sheridan	4,260	1,894	25	1,155	81	638
Silver Bow	34,560	13,825	576	9,175	992	3,156
Stillwater	8,070	2,579	46	1,731	75	671
Sweet Grass	3,410	1,278	9	834	49	389
Teton	6,330	2,349	30	1,571	62	666
Toole	4,730	1,905	60	1,311	60	491
Treasure	870	344	6	253	11	69
Valley	8,190	3,259	78	2,159	162	869
Wheatland	2,380	857	10	531	35	273
Wibaux	1,140	470	6	297	29	122
Yellowstone	126,160	44,877	1,521	33,799	1,530	7,839
Total	880,500	306,906	9,491	224,784	10,942	60,922
Source: 1998 Department of Commerce						

**Table VIII-2
Mobility Gap for Montana Counties**

County	Category	DAILY TRIP GENERATION RATES					
		15-64	15-64	Mobility Gap	65+	65+	Mobility Gap
		No veh Rate	1 + veh Rate		No veh Rate	1 + veh Rate	
Beaverhead	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Big Horn	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Blaine	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Broadwater	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Carbon	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Carter	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Cascade	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
	MSA, non-urban	6.36	8.17	1.81	2.10	4.27	2.17
	MSA, urban	4.95	8.70	3.75	3.55	5.20	1.65
Chouteau	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Custer	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Daniels	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Dawson	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Deer Lodge	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Fallon	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Fergus	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Flathead	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Gallatin	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Garfield	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Glacier	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Golden Valley	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Granite	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Hill	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Jefferson	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Judith Basin	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Lake	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Lewis and Clark	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Liberty	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Lincoln	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
McCone	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Madison	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Meagher	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Mineral	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Missoula	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Musselshell	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Park	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Petroleum	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Phillips	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Pondera	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Powder River	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Powell	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Prairie	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Ravalli	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Richland	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Roosevelt	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Rosebud	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Sanders	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Sheridan	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Silver Bow	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Stillwater	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Sweet Grass	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Teton	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Toole	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Treasure	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Valley	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Wheatland	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Wibaux	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
Yellowstone	Non-MSA	6.90	9.07	2.17	1.54	4.19	2.65
	MSA, non-urban	6.36	8.17	1.81	2.10	4.27	2.17
	MSA, urban	4.95	8.70	3.75	3.55	5.20	1.65

Source: 1995 NPTS & LSC, 2001.

County	HH 15-64 No veh	Mobility Gap	Transit Need	HH 65+ No veh	Mobility Gap	Transit Need	TOTAL Need
Beaverhead	80	2.17	174	167	2.65	443	616
Big Horn	149	2.17	323	97	2.65	257	580
Blaine	150	2.17	326	97	2.65	257	583
Broadwater	21	2.17	46	27	2.65	72	117
Carbon	55	2.17	119	119	2.65	315	435
Carter	9	2.17	20	30	2.65	80	99
Cascade, Non-MSA	72	2.17	156	68	2.65	181	337
Cascade MSA	1,236	1.81	2,238	1,178	2.17	2,556	4,793
Chouteau	29	2.17	63	48	2.65	127	190
Custer	161	2.17	349	183	2.65	485	834
Daniels	19	2.17	41	28	2.65	74	115
Dawson	52	2.17	113	164	2.65	435	547
Deer Lodge	143	2.17	310	285	2.65	755	1,066
Fallon	24	2.17	52	41	2.65	109	161
Fergus	97	2.17	210	233	2.65	617	828
Flathead	582	2.17	1,263	672	2.65	1,781	3,044
Gallatin	370	2.17	803	338	2.65	896	1,699
Garfield	12	2.17	26	28	2.65	74	100
Glacier	255	2.17	553	114	2.65	302	855
Golden Valley	-	2.17	-	2	2.65	5	5
Granite	20	2.17	43	42	2.65	111	155
Hill	205	2.17	445	254	2.65	673	1,118
Jefferson	56	2.17	122	62	2.65	164	286
Judith Basin	13	2.17	28	33	2.65	87	116
Lake	230	2.17	499	277	2.65	734	1,233
Lewis and Clark	510	2.17	1,107	673	2.65	1,783	2,890
Liberty	21	2.17	46	40	2.65	106	152
Lincoln	146	2.17	317	175	2.65	464	781
McCone	9	2.17	20	26	2.65	69	88
Madison	36	2.17	78	72	2.65	191	269
Meagher	22	2.17	48	15	2.65	40	87
Mineral	63	2.17	137	22	2.65	58	195
Missoula	1,144	2.17	2,482	1,003	2.65	2,658	5,140
Musselshell	33	2.17	72	72	2.65	191	262
Park	231	2.17	501	261	2.65	692	1,193
Petroleum	5	2.17	11	5	2.65	13	24
Phillips	46	2.17	100	96	2.65	254	354
Pondera	39	2.17	85	67	2.65	178	262
Powder River	10	2.17	22	16	2.65	42	64
Powell	70	2.17	152	75	2.65	199	351
Prairie	5	2.17	11	16	2.65	42	53
Ravalli	151	2.17	328	218	2.65	578	905
Richland	72	2.17	156	123	2.65	326	482
Roosevelt	259	2.17	562	101	2.65	268	830
Rosebud	144	2.17	312	44	2.65	117	429
Sanders	68	2.17	148	149	2.65	395	542
Sheridan	25	2.17	54	81	2.65	215	269
Silver Bow	576	2.17	1,250	992	2.65	2,629	3,879
Stillwater	46	2.17	100	75	2.65	199	299
Sweet Grass	9	2.17	20	49	2.65	130	149
Teton	30	2.17	65	62	2.65	164	229
Toole	60	2.17	130	60	2.65	159	289
Treasure	6	2.17	13	11	2.65	29	42
Valley	78	2.17	169	162	2.65	429	599
Wheatland	10	2.17	22	35	2.65	93	114
Wibaux	6	2.17	13	29	2.65	77	90
Yellowstone, Non-MSA	183	2.17	398	185	2.65	489	887
Yellowstone, MSA	1,338	1.81	2,421	1,345	2.17</		

Source: LSC, 2001.

**Table VIII-4
Existing Disability Transit Need**

County	Land Area (Sq. Mile)	1998 Population	Age 16+ Disability Pop.	Estimated Annual Need	Estimated Daily Need
Beaverhead	5,543	8,870	129	5,840	23
Big Horn	5,027	12,630	151	6,830	27
Blaine	4,185	7,150	77	3,500	14
Broadwater	1,251	4,130	78	3,530	14
Carbon	2,082	9,450	171	7,720	30
Carter	3,257	1,540	28	1,250	5
Cascade	2,720	78,990	1,250	56,500	222
Chouteau	3,932	5,190	52	2,360	9
Custer	3,782	12,030	212	9,590	38
Daniels	1,423	2,000	20	920	4
Dawson	2,367	8,850	135	6,100	24
Deer Lodge	743	9,990	226	10,220	40
Fallon	1,585	2,940	41	1,850	7
Fergus	4,356	12,270	199	8,990	35
Flathead	5,190	71,830	2,039	92,190	362
Gallatin	2,514	62,540	481	21,750	85
Garfield	4,921	1,400	8	360	1
Glacier	3,067	12,540	124	5,600	22
Golden Valley	1,169	1,050	9	420	2
Granite	1,684	2,670	46	2,060	8
Hill	2,919	17,370	257	11,610	46
Jefferson	1,625	10,090	79	3,590	14
Judith Basin	1,906	2,300	28	1,280	5
Lake	1,635	25,650	473	21,400	84
Lewis and Clark	3,495	53,650	760	34,380	135
Liberty	1,456	2,320	21	960	4
Lincoln	3,670	18,700	220	9,970	39
McCone	2,687	1,960	24	1,090	4
Madison	3,547	6,880	76	3,430	13
Meagher	2,333	1,800	33	1,480	6
Mineral	1,216	3,750	50	2,250	9
Missoula	2,680	88,990	1,193	53,950	212
Musselshell	1,885	4,600	111	5,010	20
Park	2,673	15,890	214	9,660	38
Petroleum	1,674	500	4	170	1
Phillips	5,144	4,830	80	3,610	14
Pondera	1,606	6,400	42	1,880	7
Powder River	3,218	1,830	32	1,430	6
Powell	2,309	7,000	70	3,140	12
Prairie	1,697	1,330	32	1,430	6
Ravalli	2,382	35,160	436	19,710	77
Richland	2,066	10,110	62	2,810	11
Roosevelt	2,326	10,990	141	6,380	25
Rosebud	5,130	10,050	71	3,210	13
Sanders	2,807	10,190	264	11,940	47
Sheridan	1,691	4,260	63	2,870	11
Silver Bow	707	34,560	718	32,470	127
Stillwater	1,799	8,070	93	4,180	16
Sweet Grass	1,832	3,410	93	4,200	16
Teton	2,287	6,330	37	1,690	7
Toole	1,931	4,730	31	1,400	5
Treasure	978	870	2	90	0
Valley	5,047	8,190	97	4,390	17
Wheatland	1,414	2,380	37	1,680	7
Wibaux	855	1,140	28	1,260	5
Yellowstone	2,661	126,160	1,694	76,590	300
TOTAL	146,087	880,500	13,142	594,170	2,330

1990 STF3A Census Files, 1998 Population Estimates & LSC 2001.

PROGRAM TRIPS

The methodology for forecasting demand for program-related trips involves two factors.

- *Determining the number of participants in each program.*
- *Applying a trip rate per participant using TCRP demand methodology.*

The program data available for the statewide and county analysis includes the following programs—Developmentally Disabled, Group Home, Head Start, Job Training, Mental Health Services, Nursing Home, Senior Nutrition, Sheltered Workshop, and Meals on Wheels. The participant numbers were reported by individual agencies and also available through the Department of Developmental Disabilities. Appendix B presents the TCRP trip rates applied to each of the Montana counties.

The existing program demand estimates are presented in Table VIII-5. The existing program-trip demand, using the participant numbers for each of the programs, is approximately 3,839,000 annual trips for the State of Montana.

<p align="center">Table VIII-5 Existing Annual Program-Trip Need Estimates</p>			
County	Land Area (Sq. Mile)	1998 Population	Estimated Annual Need
Beaverhead	5,543	8,870	18,423
Big Horn	5,027	12,630	51,432
Blaine	4,185	7,150	23,082
Broadwater	1,251	4,130	8,504
Carbon	2,082	9,450	32,300
Carter	3,257	1,540	1,074
Cascade	2,720	78,990	816,941
Chouteau	3,932	5,190	7,160
Custer	3,782	12,030	77,224
Daniels	1,423	2,000	2,506
Dawson	2,367	8,850	27,357
Deer Lodge	743	9,990	55,505
Fallon	1,585	2,940	3,222
Fergus	4,356	12,270	44,949
Flathead	5,190	71,830	290,848
Gallatin	2,514	62,540	170,267
Garfield	4,921	1,400	2,294
Glacier	3,067	12,540	28,572
Golden Valley	1,169	1,050	2,294
Granite	1,684	2,670	3,989
Hill	2,919	17,370	79,265
Jefferson	1,625	10,090	35,406
Judith Basin	1,906	2,300	2,988
Lake	1,635	25,650	66,953
Lewis and Clark	3,495	53,650	283,424
Liberty	1,456	2,320	30,766
Lincoln	3,670	18,700	64,413
McCone	2,687	1,960	1,432
Madison	3,547	6,880	2,389
Meagher	2,333	1,800	3,010
Mineral	1,216	3,750	5,128
Missoula	2,680	88,990	302,246
Musselshell	1,885	4,600	11,156
Park	2,673	15,890	35,030
Petroleum	1,674	500	1,936
Phillips	5,144	4,830	30,113
Pondera	1,606	6,400	21,519
Powder River	3,218	1,830	716
Powell	2,309	7,000	12,500
Prairie	1,697	1,330	1,074
Ravalli	2,382	35,160	79,570
Richland	2,066	10,110	90,942
Roosevelt	2,326	10,990	17,873
Rosebud	5,130	10,050	25,800
Sanders	2,807	10,190	64,657
Sheridan	1,691	4,260	21,070
Silver Bow	707	34,560	224,341
Stillwater	1,799	8,070	6,802
Sweet Grass	1,832	3,410	10,212
Teton	2,287	6,330	15,546
Toole	1,931	4,730	53,269
Treasure	978	870	358
Valley	5,047	8,190	35,314
Wheatland	1,414	2,380	14,528
Wibaux	855	1,140	22,918
Yellowstone	2,661	126,160	496,152
TOTAL	146,087	880,500	3,838,757
1990 STF3A Census Files, 1998 Population Estimates & LSC 2001.			

COUNTY SUMMARY

The transit needs for each county are based on the methodology presented in Chapter II and the calculation summaries presented in this chapter. Table VIII-6 presents a summary table of the existing transit need by county. The identified transit need for the State of Montana is approximately 17,964,000 annual trips. The actual number of trips being provided within the state is also identified in Table VIII-6. Approximately 3,118,094 annual trips were provided in 1999 across the State of Montana.



**Table VIII-6
Existing Transit Need Estimates by County**

County	General Public	Disabled Population	Program Trips	ANNUAL NEED	Actual Trips Provided
Beaverhead	160,199	5,840	18,423	184,462	13,171
Big Horn	150,899	6,830	51,432	209,161	5,732
Blaine	151,463	3,500	23,082	178,045	11,076
Broadwater	30,451	3,530	8,504	42,485	-
Carbon	113,022	7,720	32,300	153,042	100
Carter	25,748	1,250	1,074	28,072	-
Cascade	1,583,025	56,500	816,941	2,456,466	758,131
Chouteau	49,434	2,360	7,160	58,954	18,840
Custer	216,923	9,590	77,224	303,737	44,122
Daniels	30,012	920	2,506	33,438	-
Dawson	142,334	6,100	27,357	175,791	11,774
Deer Lodge	277,046	10,220	55,505	342,771	4,160
Fallon	41,790	1,850	3,222	46,862	5,200
Fergus	215,264	8,990	44,949	269,203	13,867
Flathead	791,372	92,190	290,848	1,174,410	62,892
Gallatin	441,636	21,750	170,267	633,653	72,184
Garfield	26,062	360	2,294	28,716	-
Glacier	222,417	5,600	28,572	256,589	25,735
Golden Valley	1,378	420	2,294	4,092	-
Granite	40,222	2,060	3,989	46,271	-
Hill	290,667	11,610	79,265	381,542	31,679
Jefferson	74,313	3,590	35,406	113,309	-
Judith Basin	30,072	1,280	2,988	34,340	125
Lake	320,619	21,400	66,953	408,972	36,150
Lewis and Clark	901,727	34,380	283,424	1,219,531	102,238
Liberty	39,408	960	30,766	71,134	2,756
Lincoln	202,948	9,970	64,413	277,331	17,124
McCone	22,992	1,090	1,432	25,514	52
Madison	69,919	3,430	2,389	75,738	312
Meagher	22,747	1,480	3,010	27,237	-
Mineral	50,703	2,250	5,128	58,081	104
Missoula	1,603,814	53,950	302,246	1,960,010	775,828
Musselshell	68,227	5,010	11,156	84,393	624
Park	310,159	9,660	35,030	354,849	9,880
Petroleum	6,266	170	1,936	8,372	-
Phillips	92,097	3,610	30,113	125,820	15,984
Pondera	68,167	1,880	21,519	91,566	12,130
Powder River	16,666	1,430	716	18,812	2,820
Powell	91,169	3,140	12,500	106,809	208
Prairie	13,845	1,430	1,074	16,349	-
Ravalli	282,475	19,710	79,570	381,755	11,073
Richland	125,369	2,810	90,942	219,121	34,699
Roosevelt	215,717	6,380	17,873	239,970	55,324
Rosebud	111,561	3,210	25,800	140,571	-
Sanders	141,027	11,940	64,657	217,624	8,428
Sheridan	69,914	2,870	21,070	93,854	17,992
Silver Bow	1,210,161	32,470	224,341	1,466,972	139,669
Stillwater	77,628	4,180	6,802	88,610	3,744
Sweet Grass	38,839	4,200	10,212	53,251	3,380
Teton	59,644	1,690	15,546	76,880	1,843
Toole	75,192	1,400	53,269	129,861	6,005
Treasure	10,964	90	358	11,412	-
Valley	155,626	4,390	35,314	195,330	30,547
Wheatland	29,757	1,680	14,528	45,965	1,040
Wibaux	23,366	1,260	22,918	47,544	1,300
Yellowstone	1,896,922	76,590	496,152	2,469,664	748,052
TOTAL	13,531,384	594,170	3,838,757	17,964,312	3,118,094

1990 STF3A Census Files, 1998 Population Estimates & LSC 2001.

PERCENT OF MOBILITY GAP FILLED

Chapter II introduced the methodology for the mobility gap and discussed the trip rates and the methodology for deriving the trip need. The equation to calculate the percent of the mobility gap filled is:

$$\text{Percent of Mobility Gap Filled} = \text{Actual Transit Trips} / \text{Total Trip Need}$$

Table VIII-7 and Figure VIII-1 show the percent of mobility gap filled for each county. The table uses existing transit need and calculates the percent of trips meeting the need for each county. The percentages of filled gap range from zero percent in several counties, such as Broadwater, Treasure, Carbon, and Rosebud to 40 percent in Missoula County.

Also included in Table VIII-7 are transit performance measures for each county. These include:

- Passengers/Hour
- Cost/Hour
- Cost/Trip

The passengers-per-hour performance measure indicates the number of passengers per service-hour provided within each county. The cost per service measure indicates the operating and administrative costs per service-hour provided. The cost per trip measure indicates the operating and administrative costs per passenger-trip provided within each county. These performance measures are based on upon the Transportation Provider Survey, the Social Services Survey, and 1999 constant dollars.



**Table VIII-7
Existing Service Measures by County**

County	ANNUAL NEED	Actual Trips Provided	% of Need Met	Existing Measures by County		
				Pass/Hr.	Cost/Hr.	Cost/Trip
Beaverhead	184,462	13,171	7%	2.3	\$ 2.94	\$ 1.26
Big Horn	209,161	5,732	3%	7.3	\$ 32.44	\$ 4.42
Blaine	178,045	11,076	6%	4.3	\$ 9.84	\$ 2.31
Broadwater	42,485	-	0%	-	\$ -	\$ -
Carbon	153,042	100	0%	0.6	\$ 24.79	\$ 38.68
Carter	28,072	-	0%	-	\$ -	\$ -
Cascade	2,456,466	758,131	31%	10.6	\$ 16.33	\$ 1.54
Chouteau	58,954	18,840	32%	8.1	\$ 14.83	\$ 1.84
Custer	303,737	44,122	15%	4.2	\$ 5.74	\$ 1.35
Daniels	33,438	-	0%	-	\$ -	\$ -
Dawson	175,791	11,774	7%	2.8	\$ 17.81	\$ 6.44
Deer Lodge	342,771	4,160	1%	2.2	\$ 12.57	\$ 5.72
Fallon	46,862	5,200	11%	2.0	\$ 11.61	\$ 5.81
Fergus	269,203	13,867	5%	3.3	\$ 20.85	\$ 6.24
Flathead	1,174,410	62,892	5%	2.6	\$ 13.08	\$ 5.00
Gallatin	633,653	72,184	11%	3.7	\$ 9.93	\$ 2.65
Garfield	28,716	-	0%	-	\$ -	\$ -
Glacier	256,589	25,735	10%	3.2	\$ 23.53	\$ 7.42
Golden Valley	4,092	-	0%	-	\$ -	\$ -
Granite	46,271	-	0%	-	\$ -	\$ -
Hill	381,542	31,679	8%	1.8	\$ 5.08	\$ 2.78
Jefferson	113,309	-	0%	-	\$ -	\$ -
Judith Basin	34,340	125	0%	0.6	\$ 1.40	\$ 2.24
Lake	408,972	36,150	9%	2.8	\$ 7.28	\$ 2.64
Lewis and Clark	1,219,531	102,238	8%	3.2	\$ 12.23	\$ 3.81
Liberty	71,134	2,756	4%	4.1	\$ 8.57	\$ 2.10
Lincoln	277,331	17,124	6%	3.0	\$ 8.01	\$ 2.65
McCone	25,514	52	0%	0.3	\$ 7.69	\$ 23.08
Madison	75,738	312	0%	0.3	\$ 13.14	\$ 52.55
Meagher	27,237	-	0%	-	\$ -	\$ -
Mineral	58,081	104	0%	0.5	\$ 18.74	\$ 37.47
Missoula	1,960,010	775,828	40%	14.1	\$ 35.71	\$ 2.53
Musselshell	84,393	624	1%	0.3	\$ 3.45	\$ 12.35
Park	354,849	9,880	3%	2.2	\$ 21.12	\$ 9.56
Petroleum	8,372	-	0%	-	\$ -	\$ -
Phillips	125,820	15,984	13%	5.2	\$ 21.57	\$ 4.14
Pondera	91,566	12,130	13%	4.6	\$ 14.61	\$ 3.19
Powder River	18,812	2,820	15%	6.4	\$ 47.11	\$ 7.38
Powell	106,809	208	0%	0.8	\$ 17.92	\$ 22.40
Prairie	16,349	-	0%	-	\$ -	\$ -
Ravalli	381,755	11,073	3%	2.3	\$ 20.08	\$ 8.66
Richland	219,121	34,699	16%	7.3	\$ 17.25	\$ 2.37
Roosevelt	239,970	55,324	23%	10.1	\$ 50.40	\$ 4.98
Rosebud	140,571	-	0%	-	\$ -	\$ -
Sanders	217,624	8,428	4%	1.5	\$ 10.49	\$ 6.89
Sheridan	93,854	17,992	19%	8.7	\$ 9.83	\$ 1.14
Silver Bow	1,466,972	139,669	10%	8.1	\$ 32.02	\$ 3.96
Stillwater	88,610	3,744	4%	6.0	\$ -	\$ -
Sweet Grass	53,251	3,380	6%	3.3	\$ 2.25	\$ 0.69
Teton	76,880	1,843	2%	0.7	\$ 2.29	\$ 3.29
Toole	129,861	6,005	5%	3.1	\$ 15.78	\$ 5.06
Treasure	11,412	-	0%	-	\$ -	\$ -
Valley	195,330	30,547	16%	5.3	\$ 18.65	\$ 3.51
Wheatland	45,965	1,040	2%	0.5	\$ 4.72	\$ 9.45
Wibaux	47,544	1,300	3%	0.7	\$ 26.49	\$ 36.03
Yellowstone	2,469,664	748,052	30%	11.9	\$ 46.61	\$ 3.91
Statewide	17,964,312	3,118,094	17%	7.5	\$ 22.43	\$ 2.98

Source: LSC, 2001.

Figure VIII-1
Percent of Transit Need Being Met - by County

